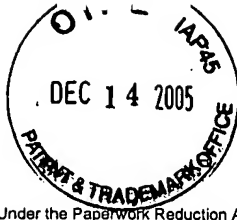




<b>AMENDMENT TRANSMITTAL LETTER</b>				Docket No. 3449-0286P	
Application No. 10/715,469-Conf. #003749		Filing Date November 19, 2003		Examiner B. Healy	
				Art Unit 2883	
Applicant(s): Ki Dong LEE et al.					
Invention: METHOD FOR FABRICATING POLYMERIC OPTIC WAVEGUIDE GRATING					
<b>MS Amendment</b> Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	17	- 20 =		x	
Independent Claims	7	- 3 =	4	x 200.00	800.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within second month					450.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>					1,250.00
<input checked="" type="checkbox"/> Large Entity <span style="margin-left: 200px;"><input type="checkbox"/> Small Entity</span>					
<input type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> A check in the amount of \$ <u>1,250.00</u> to cover the filing fee is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>02-2448</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Esther H. Chong Attorney Reg. No.: 40,953				Dated: <u>December 14, 2005</u>	
BIRCH, STEWART, KOLASCH & BIRCH, LLP 8110 Gatehouse Road Suite 100 East P.O. Box 747 Falls Church, Virginia 22040-0747 (703) 205-8000					



PTO/SB/17 (12-04v2)  
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Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b> <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
		Application Number	10/715,469-Conf. #003749
		Filing Date	November 19, 2003
		First Named Inventor	Ki Dong LEE
		Examiner Name	B. Healy
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Art Unit	2883	
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\$)</b> 1,250.00	Attorney Docket No.	3449-0286P

**METHOD OF PAYMENT** (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: 02-2448 Deposit Account Name: Birch, Stewart, Kolasch & Birch, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims      Extra Claims      Fee (\$)      Fee Paid (\$)  
17      - 20 =      x      =

Multiple Dependent Claims  
Fee (\$)      Fee Paid (\$)

Indep. Claims      Extra Claims      Fee (\$)      Fee Paid (\$)  
7      - 3 =      4      x      200.00      =      800.00

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof      Fee (\$)      Fee Paid (\$)  
- 100 =      /50      (round up to a whole number) x      =

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1252 Extension for response within second month      450.00

<b>SUBMITTED BY</b>			
Signature	<u>Esther Chong</u>	Registration No. (Attorney/Agent)	40,953
Name (Print/Type)	Esther H. Chong	Telephone	(703) 205-8000
		Date	December 14, 2005



PATENT  
3449-0286P

*IN THE U.S. PATENT AND TRADEMARK OFFICE*

Applicant:	Ki Dong LE et al.	Conf. No.:	3749
Appl. No.:	10/715,469	Group:	2883
Filed:	November 19, 2003	Examiner:	B. Healy
For:	METHOD FOR FABRICATING OPTIC WAVEGUIDE GRATING		

**AMENDMENT UNDER 37 CFR §1.111**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 14, 2005

Sir:

In response to the Examiner's Office Action dated July 14, 2005, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

12/15/2005 HAL111 00000112 10715469

01 FC:1201

800.00 OP